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## **PCT REQUEST**

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H1807-01 E

	For receiving Office use only		
0-1	International Application No.		
0-2	International Filing Date		
0-3	Name of receiving Office and "PCT International Application"		
0-4	Form - PCT/RO/101 PCT Request		
0-4-1	Prepared using	PCT-EASY Version 2.92	
		(updated 01.11.2003)	
0-5	Petition		
	The undersigned requests that the		
	present international application be processed according to the Patent		
	Cooperation Treaty		
0-6	applicant)	Japan Patent Office (RO/JP)	
0-7	Applicant's or agent's file reference	H1807-01 E	
ī	Title of Invention	THIN BATTERY	
II	Applicant		
II-1	This person is:	applicant only	
11-2	Applicant for	all designated States except US	
11-4	Name	HITACHI MAXELL, LTD.	
II-5	Address:	1-88, Ushitora 1-chome,	
		Ibaraki-shi, Osaka 567-8567	
		Japan	
II-6	State of nationality	JP	
II-7	State of residence	JP	
II-8	Telephone No.	+81-726-23-8132	
II-9	Facsimile No.	+81-726-23-8134	
III-1	Applicant and/or inventor		
III-1-1	This person is:	applicant and inventor	
III-1-2	Applicant for	US only	
III-1 <i>-</i> 4	Name (LAST, First)	MARUYAMA, Hiroshi	
III-1-5	Address:	5-5-22, Hirai,	
		Kusatsu-shi, Shiga 525-0023	
		Japan	
III-1-6	State of nationality	JP	
111-1-7	State of residence	JP	
II	Applicant's or agent's file reference  Title of Invention  Applicant  This person is: Applicant for Name Address:  State of nationality State of residence Telephone No. Facsimile No.  Applicant and/or Inventor This person is: Applicant for Name (LAST, First) Address:  State of nationality	THIN BATTERY  applicant only all designated States except US HITACHI MAXELL, LTD.  1-88, Ushitora 1-chome, Ibaraki-shi, Osaka 567-8567 Japan JP JP +81-726-23-8132 +81-726-23-8134  applicant and inventor US only MARUYAMA, Hiroshi 5-5-22, Hirai, Kusatsu-shi, Shiga 525-0023 Japan JP	

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent			
IV-1-1	Name	IKEUCHI SATO & PARTNER PATENT ATTORNEYS			
IV-1-2	Address:	26th Floor, OAP TOWER, 8-30, Tenmabashi 1-chome, Kita-ku, Osaka-shi, Osaka 530-6026 Japan			
IV-1-3	Telephone No.	+81-6-6135-6051			
IV-1-4	Facsimile No.	+81-6-6135-6052			
V	Designation of States				
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT			
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW			

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V-5	Precautionary Designation Statement		
	In addition to the designations made		
	under items V-1, V-2 and V-3, the		
	applicant also makes under Rule 4.9(b)		
	all designations which would be permitted under the PCT except any		
	designation(s) of the State(s) indicated		
	under item V-6 below. The applicant		
	declares that those additional		
	designations are subject to confirmation		
	and that any designation which is not		
	confirmed before the expiration of 15 months from the priority date is to be		•
	regarded as withdrawn by the applicant		
	at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary	NONE	-
	designations		
Vi-1	Priority claim of earlier national		
1/1.4.4	application Filing date		
VI-1-1	Filing date	14 May 2002 (14.05.2	002)
VI-1-2	Number	Patent Application 2	002-138317
VI-1-3	Country	JP	
Vil-1	International Searching Authority Chosen	Japan Patent Office	(JPO) (ISA/JP)
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's	_	
	entitlement, as at the international filing		
	date, to apply for and be granted a patent		
VIII-3	Declaration as to the applicant's	_	
V O	entitlement, as at the international filing	_	:
	date, to claim the priority of the earlier		
	application		
VIII-4	Declaration of inventorship (only for the	<b>  -</b>	
	purposes of the designation of the United States of America)		
VIII-5	Declaration as to non-prejudicial	_	
•	disclosures or exceptions to lack of		
	novelty		
iX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	-
IX-2	Description	12	-
IX-3	Claims	2	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	10	_
IX-7	TOTAL	29	
DV 6	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-EASY diskette		Diskette
iX-19	Figure of the drawings which should accompany the abstract	1	
iX-20	Language of filing of the	Japanese	
	International application		

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X-1	Signature of applicant, agent or common representative						
X-1-1	Name	IKEUCHI	SATO	&	PARTNER	PATENT	ATTORNEYS
	FOR F	RECEIVING (	OFFICE (	US	E ONLY		
10-1	Date of actual receipt of the purported international application						<del></del>
10-2	Drawings:				-		
10-2-1	Received						
10-2-2	Not received						
10-3	Corrected date of actual recelpt due to later but timely received papers or drawings completing the purported international application					<del> </del>	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)						
10-5	International Searching Authority	ISA/JP					
10-6	Transmittal of search copy delayed until search fee is paid				•		

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by	
	the International Bureau	